



SEQUENCE LISTING

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<120> METHODS AND COMPOSITIONS FOR INTERACTION TRAP ASSAYS

<130> MTV-030.02 (20021-3002)

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<141> 2001-11-14

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<150> 60/204,509

<151> 2000-05-16

<160> 97

<170> PatentIn Ver. 2.1

<210> 1

<211> 25

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<223> Description of Artificial Sequence: Illustrative
conserved peptide sequence

<220>

<221> MOD_RES

<222> (2)..(5)

<223> Variable amino acid; this Xaa range may encompass 2-4
variable amino acids

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<222> (6)..(18)

<223> Variable amino acid

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<222> (20)..(24)

<223> Variable amino acid; this Xaa range may encompass 3-5
variable amino acids

<400> 1

Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
20 25

<210> 2
 <211> 38
 <212> DNA
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Lac promoter

<400> 2
 ctttacactt tatgcttccg gctcgtatgt tgtgtcga 38

<210> 3
 <211> 39
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Hybrid
 promoter

<400> 3
 ctttacaatt tatcccttgg tcggctagat ttactcgag 39

<210> 4
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Illustrative
 zinc finger peptide

<400> 4
 Cys Cys His His
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<210> 5
 <211> 9
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<220>
 <223> Description of Artificial Sequence: Linker

<400> 5
 Ala Ala Ala Pro Arg Val Arg Thr Gly
 1 5

<210> 6
 <211> 16
 <212> DNA
 <213> Escherichia coli

<400> 6

tcgacaagcg tgggcg

16

<210> 7

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 7

caaggggttca ggggcg

16

<210> 8

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 8

ggctataaaa ggggcg

16

<210> 9

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 9

tgggacatgt tgggcg

16

<210> 10

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 10

Asn Ser Gly Ser Trp Lys

1

5

<210> 11
<211> 6
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 11
Asn Ser Gly Ser His Lys
1 5

<210> 12
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 12
Asn His Gly Ser Trp Lys
1 5

<210> 13
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 13
Thr Arg Thr Asn Lys Ser
1 5

<210> 14
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<220>
<221> MOD_RES
<222> (2)
<223> Positively charged amino acid

<220>

<221> MOD_RES
 <222> (5)
 <223> Positively charged amino acid

<400> 14
 Arg Xaa Trp Leu Xaa Leu
 1 5

<210> 15
 <211> 11
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<220>
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 sequence

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 <222> (2)
 <223> No clear preference

<220>
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 <222> (11)
 <223> No clear preference

<400> 15
 cnggacacgt n 11

<210> 16
 <211> 11
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: In vivo site
 selection library

<220>
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 <222> (6)..(10)
 <223> A, T, C or G

<400> 16
 cgggannnnn g 11

<210> 17
 <211> 11
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Illustrative

nucleotide sequence

<400> 17
cgggacacgt g 11

<210> 18
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Illustrative
nucleotide sequence

<400> 18
cgggacatgt g 11

<210> 19
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Illustrative
nucleotide sequence

<400> 19
cgggacacgg g 11

<210> 20
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Illustrative
nucleotide sequence

<400> 20
cgggacacgt g 11

<210> 21
<211> 11
<212> DNA
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<220>
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nucleotide sequence

<400> 21
cgggacatgt g 11

<210> 22
 <211> 11
 <212> DNA
 <213> Artificial Sequence

<220>
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 nucleotide sequence

<400> 22
 cgggacacgg g

11

<210> 23
 <211> 6
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 23
 Gln Arg Gly Asn Leu Val
 1 5

<210> 24
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 24
 Gln Lys Thr Asn Met Val
 1 5

<210> 25
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 25
 Gln Lys Tyr Asn Ile Leu
 1 5

<210> 26

<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 26
Gln Arg Tyr Asn Val Val
1 5

<210> 27
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 27
Gln Lys Gly Asn Met Val
1 5

<210> 28
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 28
Gln Lys Gly Asn His Val
1 5

<210> 29
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 29
Gln Lys Gly Asn Met Val
1 5

<210> 30
<211> 6

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 30

Gln Arg Gly Asn Lys Val
1 5

<210> 31

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 31

Gln Arg Gly Asn Lys Thr
1 5

<210> 32

<211> 6

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 32

Gln Leu Gly Asn Met Val
1 5

<210> 33

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 33

Gln Lys Gly Asn Lys Val
1 5

<210> 34

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 34

Gln Leu Gly Asn Lys Val
1 5

<210> 35

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Consensus
sequence

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<222> (5)

<223> Variable amino acid

<400> 35

Asn Ser Gly Ala Xaa Asn
1 5

<210> 36

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 36

Asn Ser Gly Ala Tyr Asn
1 5

<210> 37

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 37

Asn Ser Gly Ala Trp Asn
1 5

<210> 38
 <211> 6
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 38
 Asn Ser Gly Ala Phe Asn
 1 5

<210> 39
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 39
 Asn Ser Gly Thr His Asn
 1 5

<210> 40
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 40
 Asn Thr Gly Ala Tyr Asn
 1 5

<210> 41
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 41
 Gly Ser Gly Ala Tyr Asn
 1 5

<210> 42
<211> 6
<212> PRT
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<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 42
Gln Arg Gly Asn Lys Lys
1 5

<210> 43
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 43
Gln Arg Gly Asn Val Lys
1 5

<210> 44
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 44
Gln Lys His Asn Lys Lys
1 5

<210> 45
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 45
Gln Lys Gly Asn Tyr Lys
1 5

<210> 46

<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 46
Gln Lys His Asn Lys Lys
1 5

<210> 47
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 47
Gln Lys Gly Asn Ser Arg
1 5

<210> 48
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 48
Gln Ser Gly Asn Lys Lys
1 5

<210> 49
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 49
Gln Lys Ser Asn Leu Arg
1 5

<210> 50
<211> 6

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 50

Gln Lys Ala Asn Thr Lys
1 5

<210> 51

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 51

Gln Lys Ala Asn Lys Leu
1 5

<210> 52

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 52

Gln Leu Ser Asn Lys Lys
1 5

<210> 53

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 53

Gln Pro Gly Asn Lys Lys
1 5

<210> 54

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 54

Gln Lys Gly Asn Asn Val
1 5

<210> 55

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 55

Gln Lys Ser Asn Asn Val
1 5

<210> 56

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 56

Gln Lys His Asn Leu Arg
1 5

<210> 57

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 57

His Lys His His Lys Ala
1 5

<210> 58

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 58

His Leu His His Lys Ala
1 5

<210> 59

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 59

Gln Arg Trp Leu Asn Arg
1 5

<210> 60

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 60

Gln Arg Trp Leu Arg Arg
1 5

<210> 61

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 61

Gln Asp Trp Leu Asn Arg
1 5

<210> 62

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 62

Tyr Lys Arg Asp Asn Arg
1 5

<210> 63

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 63

Trp Arg Ser Ser Leu Val
1 5

<210> 64

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 64

Trp Gln Ser Ser Lys Val
1 5

<210> 65

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 65

Trp Tyr Ser Ser Ile Val
1 5

<210> 66

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 66

Phe Asp Ser Ser Arg Ala
1 5

<210> 67

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 67

Ala Arg Trp Leu Asn Arg
1 5

<210> 68

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 68

Glu Arg Trp Arg Asn Arg
1 5

<210> 69

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 69

Glu Arg Trp Arg Arg Arg
1 5

<210> 70

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger

recognition sequence

<400> 70

Glu Lys Trp Arg Arg Arg

1 5

<210> 71

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 71

Glu Gly Trp Arg Arg Arg

1 5

<210> 72

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 72

Glu Arg Trp Arg Lys Arg

1 5

<210> 73

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 73

Glu Arg Trp Arg Asn Arg

1 5

<210> 74

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 74

Glu Arg Trp Arg Ile Arg

1 5

<210> 75

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 75

Glu Arg Trp Arg Ser Arg

1 5

<210> 76

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 76

Glu Arg Trp Arg Val Arg

1 5

<210> 77

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 77

Glu Arg Trp Arg Leu Arg

1 5

<210> 78

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 78

Glu Lys Trp Arg Thr Arg
1 5

<210> 79

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 79

Glu Asn Trp Arg Lys Arg
1 5

<210> 80

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 80

Glu Gln Trp Arg Lys Arg
1 5

<210> 81

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 81

Glu Arg Trp Arg Met Arg
1 5

<210> 82

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus
sequence

<220>

<221> MOD_RES
<222> (2)
<223> Variable amino acid

<220>
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<222> (5)
<223> Variable amino acid

<400> 82
Thr Xaa Thr Asn Xaa Ser
1 5

<210> 83
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 83
Arg Arg Trp Leu Lys Leu
1 5

<210> 84
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 84
Arg Lys Trp Leu Lys Leu
1 5

<210> 85
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 85
Arg Lys Trp Leu Gln Leu
1 5

<210> 86

<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 86
Arg Lys Trp Leu Arg Leu
1 5

<210> 87
<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 87
Arg Lys Trp Leu Met Leu
1 5

<210> 88
<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 88
Arg Lys Trp Ile Asn Leu
1 5

<210> 89
<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger
recognition sequence

<400> 89
Arg Lys Trp Tyr Gln Leu
1 5

<210> 90
<211> 6

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 90
 Arg Ala Trp Leu Lys Leu
 1 5

<210> 91
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Zinc finger
 recognition sequence

<400> 91
 Lys Lys Trp Tyr Arg Leu
 1 5

<210> 92
 <211> 9
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Illustrative
 nucleotide sequence

<220>
 <221> modified_base
 <222> (4)..(9)
 <223> A, T, C or G

<400> 92
 gcgnnnnnnn

9

<210> 93
 <211> 6
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Illustrative
 nucleotide sequence

<400> 93
 tgggcg

6

<210> 94
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Illustrative
 nucleotide sequence

<400> 94
 aaagtttggg cg

12

<210> 95
 <211> 89
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Illustrative
 peptide sequence

<220>

<221> MOD_RES

<222> (60)..(89)

<223> Variable amino acid

<400> 95

Met Glu Arg Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe
 1 5 10 15

Ser Arg Ser Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln
 20 25 30

Lys Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp
 35 40 45

His Leu thr thr His Ile Arg Thr His Thr Gly Xaa Xaa Xaa Xaa Xaa
 50 55 60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 65 70 75 80

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 85

<210> 96
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Illustrative
 nucleotide sequence

<400> 96

tatatatggg cg

12

<210> 97

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Illustrative
nucleotide sequence

<400> 97

gcgcgctggg cg

12


